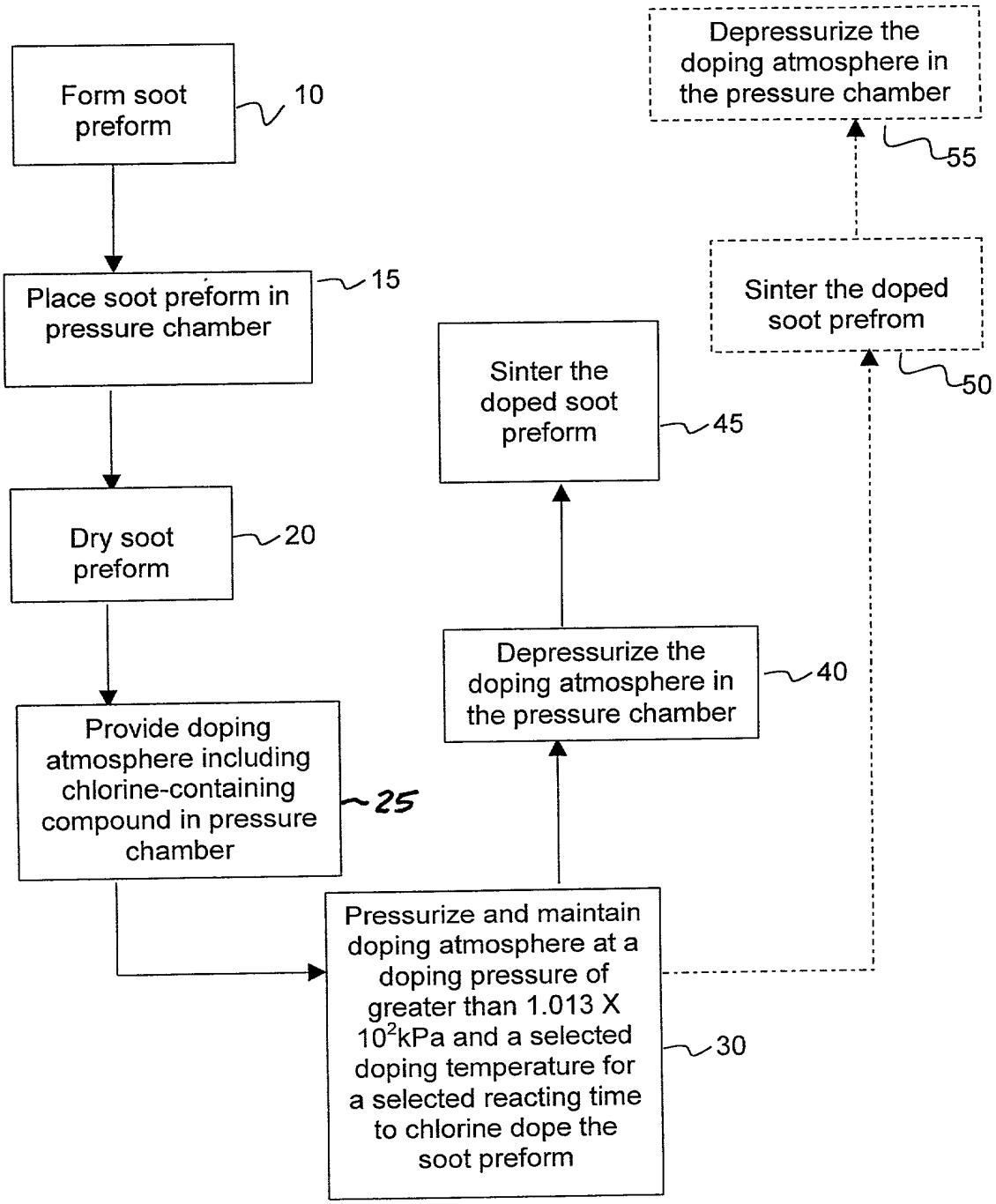
Form soot preform
10
Place soot preform in pressure chamber
15
Dry soot preform
20
Provide doping atmosphere including chlorine-containing compound in pressure chamber
25
Pressurize and maintain doping atmosphere at a doping pressure of greater than 1.013 X 10^2kPa and a selected doping temperature for a selected reacting time to chlorine dope the soot preform
30
Depressurize the doping atmosphere in the pressure chamber
40
Sinter the doped soot preform
45
Sinter the doped soot prefrom
50
Depressurize the doping atmosphere in the pressure chamber
55

FIG. 1

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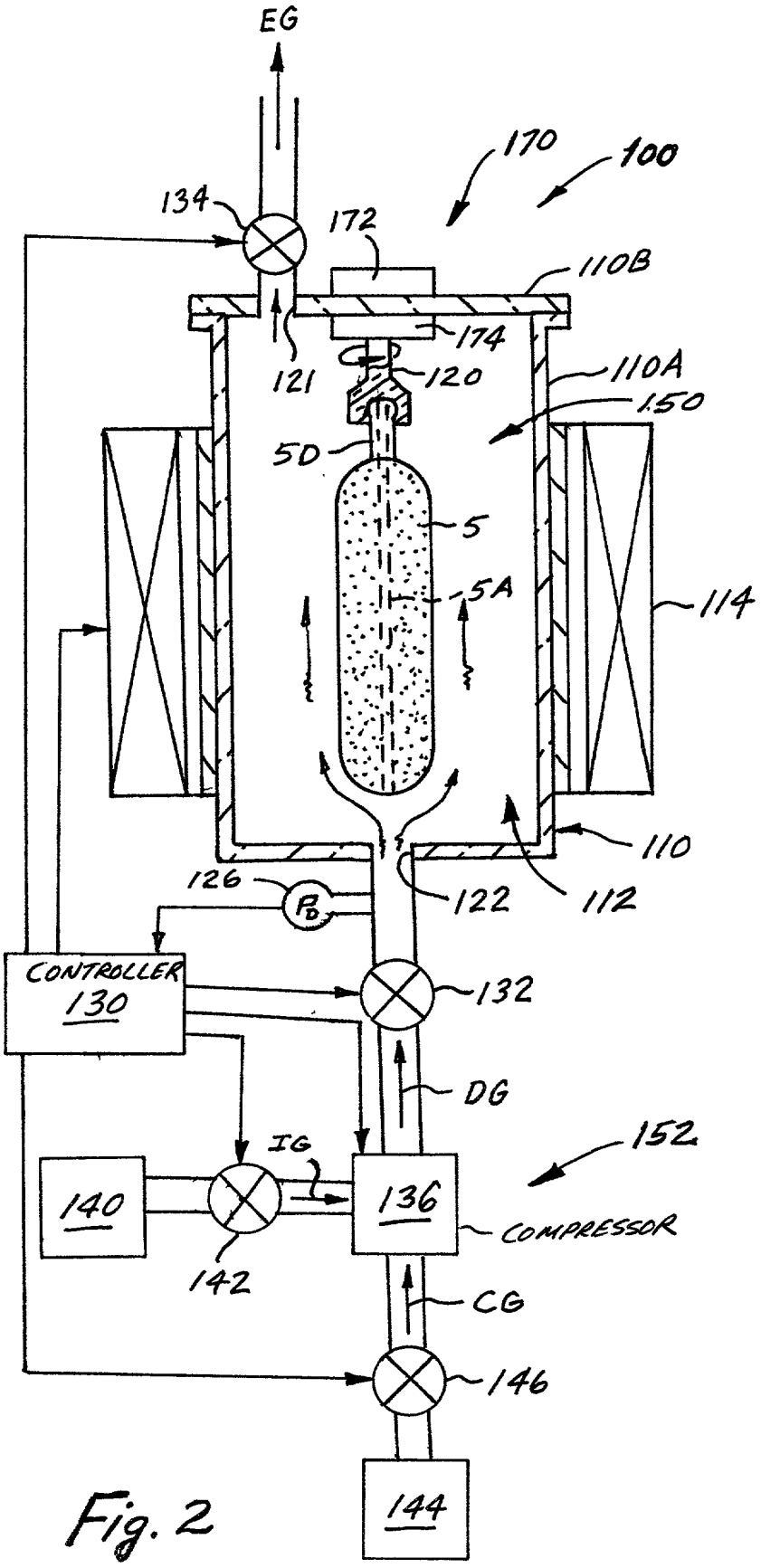

Fig. 2

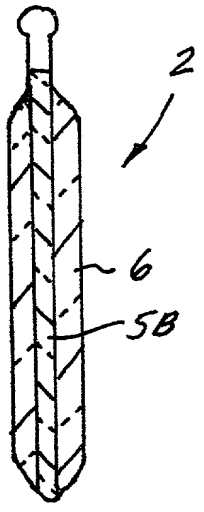

Fig. 3